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**LABORATORY**  
**OF THE**  
**INLAND REVENUE DEPARTMENT**

**OTTAWA, CANADA**

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**BULLETIN No. 394**

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**WINES AND LIQUORS**

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### NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. MCGILL,  
*Chief Analyst.*

**LABORATORY**  
OF THE  
**INLAND REVENUE DEPARTMENT**  
**OTTAWA, CANADA**

**BULLETIN No. 394**

**WINES AND LIQUORS**

OTTAWA, February 12, 1918.

J. U. VINCENT, Esq., K.C., B.A., L.Ph.,  
Deputy Minister of Inland Revenue,

SIR,—I have the honour to hand you a report on 114 samples, purchased by various specific names, which may be included under the comprehensive title, Wines and Liquors.

An Order in Council of February 8, 1911 (published by this Department as Circular G. 947) defines the terms Wine, Beer, Whisky, Rum, Gin, etc., and the definitions given are consistent with the ordinary use of these terms. Recent legislation in several provinces of Canada has restricted or forbidden the sale of alcoholic liquors of the kinds referred to; and interested parties have, in some instances, placed on the market would-be substitutes for these, and have not hesitated to adopt the terms wine, beer, rum, etc., in describing such substitutes.

In consequence of such action, complaint has been made by purveyors of alcoholic liquors, and also by purchasers, who have been duped into buying wine which is not wine; whisky, which is not whisky, etc. Under the Order in Council above referred to, *Whisky*, *Brandy* and *Rum* are required to contain not less than 42.75 per cent (volume) of absolute alcohol, equivalent to 75 per cent by volume of proof spirit. *Gin* must contain not less than 37 per cent of absolute alcohol, equivalent to 65 per cent proof spirit.

Although a limit for alcohol is not fixed in the case of Wine, this article is defined as "the product of the normal alcoholic fermentation of the juice of sound ripe grapes, etc." Alcohol is therefore a constituent of Wine; and actual wines show amounts varying from about 10 to 20 per cent of proof spirit.

It was in order to ascertain the facts of the case that our inspectors were instructed, in June of last year, to investigate the matter; and the results of their investigation are herewith furnished to you.

So far as the name under which the article is sold is concerned, the samples may be classified as follows:—

Sold as Whisky.....	10 samples.
" " Rum .....	10 "
" " Gin .....	14 "
" " Wine.....	45 "
" " Alcohol .....	1 "
" " Brandy .....	12 "
" " Medicated Wine .....	3 "
" " Cordials, etc.....	11 "
" " Beer or Porter .....	8 "
Total .....	114 "

Fifty-three (53) samples are found to be true to name under which sold, and to meet legal standards for such article; thirteen (13) may be regarded as meeting the type, but are below standard requirements in one or other respect.

Thirty-nine (39) samples are clearly fraudulent, in the sense of claiming to be what they are not; while nine (9) samples I have judged as doubtful, in the absence of a standard for the term *Cordial*, under which name, or an apparent equivalent, these samples are sold.

Details are given below:—

Liquors which are below legal strength in alcohol (proof spirit):

	Number.	Sold as.	Proof Spirit strength.	Deficiency.	Opinion.
1	76676	Rum.....	71.05	3.95	Pass.
2	71075	Cognac.....	55.95	19.05	Adulterated
3	71081	Cognac.....	45.08	29.92	"
4	71084	Rum.....	50.74	24.26	"
5	73898	Brandy.....	57.09	17.91	"
6	77841	Port wine (unfermented).....	12.97		"
7	68439	Whisky.....	60.99	5.01	Pass.
8	75832	Gin.....	61.32	3.68	"
9	75839	Gin.....	60.29	4.71	"
10	75841	Brandy.....	72.20	2.80	"
11	75836	Gin.....	48.70	16.30	Adulterated
12	75940	Gin.....	58.14	6.86	"
13	75941	Brandy.....	64.10	10.90	"

The Order in Council fixing limiting percentages for proof-spirit strength, provides that liquors having a spirit strength below the standard may be legally sold "when the actual percentage is legibly and distinctly marked on each and every package, parcel, bottle, or other container of such spirits."

In none of the cases above referred to is this condition fulfilled. I would, however, respectfully suggest that proceedings be not taken in cases where the deficiency does not exceed five (5) per cent. This is in accordance with usual procedure; but must be regarded as an act of clemency, and not as establishing a binding precedent.

The following samples are sold as *Cordials*, or by a name which may be regarded as equivalent to this:—

	Number.	Sold as.	Spirit strength.	Sugars.	Opinion.
1	72578	Mint Cordial.....	1.86	14.07	Doubtful.
2	72579	Pineola.....	1.39	17.39	"
3	72580	Orange.....	1.74	17.01	"
4	72581	Black Cherry.....	1.39	22.81	"
5	77912	Creme de menthe.....	1.86	35.81	"
6	77913	".....	none.	34.07	"
7	77993	Anisette.....	3.44	40.80	"
8	77926	Tipperary Punch.....	none.	14.10	"
9	78000	Creme de menthe.....	0.12	27.53	"

A cordial is generally understood to be an aromatized and sweetened spirit, used as a beverage, a liqueur, and is so defined by Webster. This authority furnishes an alternative definition; "Any invigorating and stimulating preparation, as a medicine, food or drink; as a peppermint cordial."

In the absence of any legally established definition of the term, I am unable to express a clear opinion as to the genuineness or otherwise of these articles. I am, however, convinced that such names as "Crème de Menthe" are generally understood to imply the presence of alcohol; and the sale of a non-alcoholic liquor under such a name should be regarded as adulteration.

Thirty-nine (39) samples are sold under names which are legally defined, and all of these samples are adulterated, in the sense that they are not what they claim to be.

**Wines.**—Wine is the product of the normal alcoholic fermentation of the juice of the grape. Twenty-seven (27) samples are sold as Wines; and these are not fermented; nor are they, in any case, products of the normal alcoholic fermentation of grape juice.

**Gin.**—Is a product of the distillation of alcohol from juniper berries, and should contain, along with the volatile oil of juniper, at least 65 per cent of proof spirit. Four (4) samples are sold as gin which fail to meet these requirements.

**Brandy.**—Is a product of the distillation of wine, and should contain at least 75 per cent of proof spirit. Three (3) samples are sold as brandy which fail to meet these requirements.

**Porter.**—Is required to possess a spirit strength of at least 6 per cent. Two (2) samples sold as porter contain less than 2 per cent.

One sample sold as *Whiskey*, one as *Rum*, and one as *Lager Beer*, fail to meet standard requirements for these beverages.

Doubtless these articles are manufactured and sold with intent to meet the requirements of provincial temperance legislation. They must, however, be compelled to bear properly descriptive names; otherwise they are adulterated under section 3 (d) of the Act.

All of these samples are technically adulterated. Whether or not it will be well to inflict penalty in these cases, I leave you to decide. I have expressed the opinion that they are not what they claim to be; and the above-quoted section of the Adulteration Act applies.

I would respectfully draw your attention to the fact, which becomes more and more evident as my correspondence increases, that in the majority of cases the manufacturers are meeting exceptional conditions to the best of their ability, and without any intention of violating the provisions of the Act.

Recent provincial temperance legislation has interfered with the legitimate business in alcoholic beverages, and it is not a matter of surprise that manufacturers should attempt to meet existing conditions.

Until our Act distinguishes between "misbranding" and "adulteration" I think it will be only fair to these people that the Department should exercise leniency in interpretation, and I would respectfully suggest that in all cases of technical adulteration of the kind referred to, no legal action be taken.

I beg to recommend publication of this report as Bulletin No. 394.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL,  
Chief Analyst.



BULLETIN No. 394—WINES AND LIQUORS.—TABLE I.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of Opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

  

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.								
1917.								
Aug. 16	Scotch Whisky	76671	E. F. Sullivan, Halifax	3 bots	3 45	Jas. Buchanan & Co., Glasgow, Scot.	J. J. Bradley, Montreal.	Black & White. legal vendor.
15	Rum	76672	" " " "	3 flasks.	2 55	D. Finzi, Jamaica.	" " "	Jamaica.
16	Gin	76673	" " " "	7 bots.	1 96	John De Kuyper, Rotterdam, Holland.	" " "	De Kuyper's Gin.
22	Rum.	76674	Town of Bridgewater, Bridgewater.	3 flasks.	1 96	Unknown.	L. Wilson, Montreal.	Sunnyside Brand. Vendors are legal vendors.
22	Scotch Whisky	76675	" " " "	3 bots	3 30	S. R. McKennie, Glasgow, Scot.	" " "	Clan McKennie Brand.
31	Rum.	76676	Jas. M. Power, Halifax	3 flasks.	2 50	Unknown.	" " "	Jamaica. Vendor is legal vendor.
31	Scotch Whisky	76677	" " " "	3 flasks.	3 00	Alex. McDonald Co., Scotland.	" " "	Sandy McDonald.

  

DISTRICT OF NEW BRUNSWICK—JOHN C. FERGUSON, INSPECTOR.								
July 17	Scotch Whisky	78001	The Canadian Drug Co., St. John N.B.	3 bots	3 00	Whyte & Mackay, Glasgow, Scot.	" " "	Special Brand.
17	Port Wine	78002	" " " "	3 "	2 25	" " "	R. Sullivan & Co., St. John N.B.	Spanish Port Wine.
17	Alcohol	78003	" " " "	3 "	1 50	Corby, Distillers, Belleville, Ont.	" " "	" " "
20	Walker's Eye Whisky	78004	J. W. Smith, St. Stephen, N.B.	3 "	1 50	" " "	J. J. Bradley, St. John.	" " "

[illegible]

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## DISTRICT OF QUEBEC CITY—F. X. W. E. BELAND, INSPECTOR.

June 14	Cognac.....	71075	O. Bacon, 28 Rue Hermine, Quebec..	3 bota.	2 25	Paul Dugay Co.....	Toussaint Co.
14	Scotch Whisky.....	71076	" " " "	" 3	2 25	Smith Bros. Co. ....	"
14	Port Wine.....	71077	" " " "	" 3	1 05	"	"
14	Gin.....	71078	" " " "	" 3	1 95	"	Langlois & Paradis.
June 14	Vin des Carnes....	71079	Jérémie Papin, Bagot and Masson, Quebec.	3 bota.	2 40	"	Toussaint Co.
"	14 Gin.....	71080	" " " "	" 3	4 20	"	J. B. Tellier Co.....
"	14 Cognac.....	71081	Jos. Verina, 914 rue St. Valier, Quebec.	3	2 70	"	Joseph Co.
"	14 Gin.....	71082	" " " "	" 3	2 55	"	"
"	14 Wilson's Wine ..	71083	C. Delisle, 2nd Ave., Tachereau, Quebec.	3	3 15	Wilson, Montreal.	"
"	14 Rum.....	71084	" " " "	" 3	2 70	"	M. Plante, Quebec.

DISTRICT OF QUEBEC PROVINCE—O. BROCHU, N. CADIEUX, T. GENDREAU, TEMPORARY INSPECTORS.

June 21	Vin quinine .....	6450 Nap. Aubin, St. Damien .....	3 bds.	2.25	Red Cross Pharmacie, Quebec.	
"	19 Vin .....	5240 Pierre Simard, St. Jerome .....	3	1.00		
"	20 Port Wine .....	7303 J. N. R. L'Esperance, Montmagny .....	3	1.00	Colonial 11 14 Beef and Specialty Co., Montreal.	
"	20 Blackberry Wine .....	7384 " .....	3	1.00	"	
"	20 N. W. Cherry .....	7385 " .....	3	1.00	"	
"	20 Blue Gin .....	7386 " .....	3	1.00	"	

BULLETIN No. 394—WINES AND LIQUORS.—TABLE I.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of Opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF EASTERN TOWNSHIPS—E. BLONDIN, TEMPORARY INSPECTOR.

1917.	June 14	Vin blanc	73886	Basinet Bros., St. Hyacinthe	3 bots.	1.50	L. G. Bright, Niagara Falls.	
"	"	14	Gin	73887	Bourgeois Co., St. Hyacinthe	3 "	1.25	Boivin, Wilson, Montreal.
"	"	16	Brandy	73898	H. Messiers, fils, St. Hyacinthe	3 "	2.50	Chaput fils, Montreal.
"	"	19	Vin Canadien.	7610	L. H. Olivier, Sherbrooke	3 pts	1.50	Niagara Falls.
"	"	19	"	7611	D. W. Stansen, Sherbrooke	3 "	90	St. David, Ont.
"	"	19	Brandy	7612	Lacroix, Sherbrooke	3 "	3.00	McNomeny, Sherbrooke.
"	"	20	Vin Canadien.	7613	Bernard, Son, Sherbrooke	3 "	75	"
"	"	21	"	7619	E. Biron, Sherbrooke East	3 "	75	"

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

Aug. 11	Port Wine	58473	H. Brooks, 137 Commissioner, Montreal.	3 bots.	2.00			Vin Supérieur.
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DISTRICT OF VALLEYFIELD—J. J. COSTIGAN, ACTING INSPECTOR.

June 17	Port Wine	74346 J. J. Dufresne, Lancaster, Ont.	3 bota.	1.50	Nectar Wine Co.	Labelled Port Wine, un-fermented.
"	17 Grape Wine	"	3 "	1.50	"	Labelled Grape Wine, un-fermented.
"	19 Port Wine	A. Vallee, Alfred, Ont.	3 "	2.25	Verdon Fils & Co., Ottawa.	Labelled, Louis Gourdion & Fils, Paris, France.
"	19 Sloe Gin	"	3 "	3.00	Hamilton Importing Co.	Contains less than 25% Proof Spirit, also preservative.
"	19 Grape Wine	"	3 "	1.80	T. A. Lytle Co., Ltd.	

36028

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

June 30	Grape Wine	77527 T. R. Dunkin, Cornwall	2 bota.	50	Imperial Ext. Co., Toronto.	Red Seal, non-alcoholic.
July 7	"	77547 Johnston's Cash Grocery, Brockville.	3 "	90	The T. A. Lytle Co., Toronto.	Unfermented, Sterling Brand.
"	10 Port Wine	77549 John Hughes, Prescott	3 "	1.20	"	Contains not more than 1/2 of 1% Sod., Ben. and Colour. Unfermented Sterling Brand.
"	17 Black Cherry Wine	77551 James O'Kelly, Ltd., Pembroke.	3 "	1.50	Vendors	California, non-alcoholic.
"	17 Red Cherry Wine	77552 " " " " " " " "	3 "	1.50	"	Unfermented, Sterling Brand.
"	18 Black Cherry Wine	77553 J. Wolfe, Pembroke.	3 "	1.05	The T. A. Lytle Co., Toronto.	Unfermented, Sterling Brand.
"	28 Peach Wine	77566 The A. B. Scott Co., Smith's Falls	3 "	75	Turner & Co., Toronto	Unfermented.

DISTRICT OF KINGSTON—JAMES HOGAN, INSPECTOR.

June 12	Mint Cordial	72578 James McFarland, Kingston	3 bota.	1.50	The Jamaica Wine Co.	
"	12 Pinesda	72579 " " "	3 "	1.50	"	
"	12 Orange	72580 " " "	3 "	1.50	"	
"	18 Black Cherry	72581 W. A. Radbourne, Belleville	3 "	1.50	Turner & Co., Toronto	
"	18 Ginger Wine	72582 " " "	3 "	2.25	Hamilton Importing Co.	
"	18 Ginger Brandy	72583 " " "	3 "	2.25	"	
"	18 Run	72584 W. A. Radbourne, Belleville	3 bota.	1.95	J. Gordon, Toronto.	
"	18 Rye Whiskey	72585 " " "	3 "	2.25	"	

BULLETIN No. 394—WINES AND LIQUORS.—TABLE I.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of Opinion.)
				Quantity.	Cent.	Manufacturer.	Furnisher.	

  

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.								
1917.						Vendors....		Royal Club.
June 13	Sherry Near Wine...	77984	Toronto Wine Co., 148 Dundas St., 3 bota.	3	1.10	"		Unfermented.
"	14 Port Fruit Wine....	77985	H. D. Gordon & Co., 639 College St., 3	3	1.10	"		Blackberry Brandy, purity guaranteed. Pierre La-
"	15 Blackberry Brandy..	77986	T. Bowes & Son, 473 Queen St. W., 3	3	2.25	"		rousee & Cie, Bordeaux.
"	22 Unfermented Port	77981	J. Usprich, 2164 Dundas St. West, 3	3	42	West End Wine Co.,		Imported.
"	Wine.		Toronto.			West Toronto,		Bottled by vendor. Liqueur
"	20 London Dock Sherry	77987	A. Sharpe, 212 Queen St. E., To-3	3	2.25	Gordon Drug Co., To-		Superieur.
"	Cordial.		ronto.			ronto.		Lazare & fils Brand.
"	26 Crème de Menthe...	77912	J. W. Ryan, 188 Queen St. W., To-3	3	1.50	Robinson Mfg. Co., To-		
"	"		ronto.			ronto.		
"	"	77913	A. Spire, 183 King St. E., Toronto 3	3	1.00	J. Berman, Toronto....		

  

DISTRICT OF HAMILTON—H. J. DAGER, ACTING INSPECTOR.								
July 13	Sherry Near Wine...	77984	Wm. McCradle, 294 King St., W., 3 bota.	3	90	J. J. Walsh, Hamilton...		Oloroso, unfermented.
"	13 Irish Sloe Gin .....	77985	A. E. Bowden, 282 Barton St. E., 3	3	1.95	R. H. Thomson & Co.,		
"	3 Anisette .....	77983	Harding Bros., 68 McDonald St., 3	3	2.00	Dublin.		
"	3 Black Currant Wine.	77994	A. J. Groom, 122 Wyndham St., 3	3	1.50	Alfred Vauban & Co.,	Hamilton Importing	
"	4 Tipperary Punch...	77986	Hood & Bennallick, 17 Wyndham St., 3	3	1.50	Cox & Co., W. India	Co., Hamilton.	Non-alcoholic.
"	4 Ginger Wine .....	77986	Harding Bros., 68 McDonald St., 3	3	75	Elk Fruit Products Co.,	Cherry.	
			Guelph.			Toronto.		Non-excisable.

4 Ginger Wine ..... 77996 Harding Bros., 68 McDonald St., 3 " 75 Sleeman & Sons, Guelph. Non-excisable.

" 4 Grape Wine.....	77997 Huether & Todd, 6 Wyndham St., 3 "	90 Jas. Ryder, Guelph.	Unknown	Schwepp's non-alcoholic.
" 5 Ginger Wine.....	77998 Richm & Co., King St., Waterloo, 3 "	1 20		Non-intoxicating, non-excisable, unfermented.
" 5 Grape Wine.....	77999 L. Langlo Fruit Co., 228 King St., 3 " 1 50 C. H. Tune, Ltd, London.			
" 10 Crème de Menthe.....	78000 Barie Mineral Water Co., 18 Col. 3 " borne St., Brantford.	75 Vendora.		

# DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

July 18 Port Wine.....	65267 John Murray & Son, London, Ont. 3 bots.	1 12 Vendora.....	Unfermented.
" 18 ".....	65268 O. S. O. Mfg. Co., " 3 "	10 ".....	O. S. O. Brand.

# DISTRICT OF MANITOBA—J. B. COSGROVE, INSPECTOR.

July 28 Port Wine.....	75384 S. & S. Grocery, 818 William Ave., 3 bots.	1 40 Blackwoods Ltd., Winnipeg.
" 31 Native Wine.....	75320 G. Mintian & Co., 836 Rosser Ave., 3 " Brandon.	1 50 Grape Juice Co., Niagara Falls.
" 31 Calgary Chinook Beer.....	75321 " " " 3 "	40 Calgary Brewing Co., Calgary.
" 31 New Life Beer.....	75322 " " " 3 "	30 Brandon Brewing & Bottling Co., Brandon.
" 31 Lagerwine Beer.....	75323 Ayrte Confectionery, 638 Rosser Ave., Brandon.	45 Kuntz Brew. Co., Waterloo, Ont.
" 31 Showme Beer.....	75324 " " " 3 "	45 Prairie Rose Brewing Co., Moosejaw.
" 31 New Life Beer.....	75325 T. Thompson, 6 Tenth St., Brandon.	30 Brandon Brewing Co., Brandon.
Aug. 1 Porter.....	75326 K. Freeman, Carberry, Man. 3 "	45 McDougall & Shea, Winnipeg.
" 1 American Lager Beer.....	75328 W. A. Bannister, Carberry, Man. 3 "	90 Golden Lion Co., Prince Albert.
" 2 Stout.....	75329 Julius Bros., 538 Main St., Winnipeg 3 "	45 E. L. Drewery, Winnipeg.



Independent Liquor Co., Ltd.,  
Hastings St. W., Vancouver.  
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20	Sherry Wine.	75836	Vine, and Spirit Co., 1097 3/4 St. E., Vancouver.	3	1.00	El Cajon Wine and Vintage Co., San Ram, Cal.	Bottled by Vendors.	
"	21	Claret Wine.	75837	The A. & B. Co., 715 Dunsmuir St., Vancouver.	3	1.00	N. Johnson & Sons, Bordeaux.	Bottled by Vendors.
"	23	Sauterne Wine.	75838	The Crown Liquor Store, 6 Hastings St. E., Vancouver.	3	2.10	Botta & Sons, London, Eng.	Bottled by Vendors.
"	27	Gin	75839	Universal Wine Co., 54 Cordova St. W., Vancouver.	3	90	flasks.	"
"	27	Run.	75840	Gold Seal Liquor Co., Ltd., 722 Fender St. W., Vancouver.	3	90	flasks.	"
"	27	Brandy	75841	Three Star Wine Co., 133 Hastings St. W., Vancouver.	3	90	flasks.	"

DISTRICT OF VICTORIA—G. G. ARMYTAGE, ACTING INSPECTOR.

July	25	California Port Wine	75932	H. O. Kirkham & Co., Ltd., 745 Fort St., Victoria.	3	1.65	Bottled by Vendora.
"	25	Rum.....	75933	"	3	1.80	"
"	25	California Sherry....	75934	The Hudson's Bay Co., 1312 Douglas St., Victoria.	3	1.65	"
"	25	Blackberry Wine....	75935	"	3	1.84	"
"	25	Gin.....	75936	The B. C. Wine Co., Ltd., Victoria.	3	1.80	"
"	25	St. Julien.....	75937	"	3	90	"
"	25	Port Wine....	75938	Victoria Liquor Co., Ltd., 1303 Govt. St., Victoria.	3	1.50	"
"	25	Brandy.....	75939	"	3	1.80	"
"	25	Gin.....	75940	Diri H. Ross & Co., 1316 Broad St., Victoria.	3	1.80	"
"	25	Brandy.....	75941	"	3	1.80	"



TABLE I.—WINES AND LIQUORS.

No. of Sample.	Nature of Sample.	Results of Analysis.						Remarks.	No. of Sample.	Remarks and opinion of the Chief Analyst.
		Alcohol by Volume.	Proof Spirit.	Methyl Alcohol.	Grammes per 100 cc.					
					Acidity as Acetic.	Extract.	Ash.			
SAMPLES EXAMINED AT HALIFAX.										
1917.		P.c.	P.c.							
76671	Scotch Whisky.....	45.64	79.48	None...	0.027	0.148	0.009	.....	76671	Genuine.
76672	Rum.....	50.40	88.22	"	0.044	1.132	0.014	.....	76672	"
76673	Gin... ..	45.76	80.16	"	0.008	0.012	0.005	.....	76673	"
76674	Rum.....	44.96	78.68	"	0.060	0.394	0.008	.....	76674	"
76675	Scotch Whisky.....	45.62	79.66	"	0.010	0.082	0.023	.....	76675	"
76676	Rum.....	40.62	71.05	"	0.025	0.330	0.006	.....	76676	Spirit strength below standard.
76677	Scotch Whisky.....	41.00	75.26	"	0.013	0.118	0.006	.....	76677	Genuine.
78001	Scotch Whisky... ..	46.0	80.53	"	0.015	0.066	0.004	.....	78001	"
78002	Port Wine.....	15.27	24.65	.....	.....	12.51	0.27	Acidity as tartaric 0.549, sul- phates, 0.024	78002	"
78003	Alcohol.....	83.56	16.03	None...	.....	0.306	.....	.....	78003	"
78004	Walker's Rye Whisky...	43.40	75.96	"	0.009	0.113	0.028	.....	78004	"
78005	Gin.....	55.20	96.66	"	0.003	0.019	0.006	.....	78005	"
78006	Brandy.....	49.20	86.18	"	0.048	0.881	0.005	.....	78006	"
78007	Sherry Wine.....	17.86	31.17	"	.....	7.76	0.47	Acidity as tartaric 0.864, sul- phates 0.067.	78007	"

SAMPLES EXAMINED AT HALIFAX.

78006	Brandy	49.20	86.16	"	0.048	0.881	0.005	.....	78006	"
78007	Sherry Wine	17.86	31.17	"	.....	7.76	0.47	Acidity as tartaric 0.864, sulphates 0.067.	78007	"

79004	Jamaica Rum	73.32	134.80	None	0.096	1.152	0.017	.....	79008	"
79009	Scotch Whisky	45.92	80.39	"	0.022	0.110	0.010	.....	79009	"
79010	Walker's Rye Whisky	45.52	79.66	"	0.038	0.120	0.008	.....	79010	"
71075	Cognac	32.00	55.95	"	0.022	0.143	0.008	.....	71075	Below legal strength. Adulterated.
71076	Scotch Whisky	47.60	83.32	"	0.025	0.350	0.006	.....	71076	Genuine.
71077	Port Wine	13.78	24.05	.....	.....	13.87	0.13	Acidity as tartaric 0.603, sulphates trace.	71077	"
71078	Gin	41.96	73.33	None	0.001	0.012	0.004	.....	71078	"
71079	Vin des Carmes	12.74	22.22	"	.....	20.16	.....	Acidity as tartaric 0.555	71079	"
71080	Gin	46.60	81.58	"	0.002	2.157	0.009	.....	71080	"
71081	Cognac	26.80	45.61	"	0.007	0.116	0.009	.....	71081	Below legal strength. Adulterated.
71082	Gin	44.92	78.61	"	0.004	0.005	0.003	.....	71082	Genuine.
71083	Wilson's Wine	16.77	29.36	"	.....	13.00	.....	Acidity as tartaric 0.354	71083	"
71084	Rum	28.04	50.74	"	0.012	0.252	0.009	.....	71084	Below legal strength. Adulterated.

TABLE II.—WINES AND LIQUORS.

No. of Sample.	Nature of Sample.	Results of Analysis.										No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Alcohol by Volume.	Proof Spirit.	Solids per 100cc.	Volatile Acids.	Furfural.	Aldehydes.	Parts per 100,000.			Total Secondary Products.		
								Ethers as Ethyl Acetate.	Higher Alcohol.				

SAMPLES EXAMINED AT OTTAWA.

1917.												
73867	Gin	p. c. 44.73	p. c. 78.39	0.068							73867	Genuine.
73868	Brandy	32.58	57.09	0.124	Trace.		3	15	66	102	73868	Below legal strength. Adulterated.
7612	Brandy	51.87	90.89	0.280	12		20	180	322	534	7612	Genuine.

TABLE II.—WINES AND LIQUORS.

No. of Sample.	Nature of Sample.	Results of Analysis.										Dye.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. Gr. of Sample.	Sp. Gr. of Distillate.	Alcohol by Volume.	Proof Spirit.	Grammes per 100c.					Preservatives.				
					Extract.	Invert Sugar.	Sucrose.	Total Sugars.	Ash.	Acidity as Tartaric	Kind.			Quantity in Milligrams per 100cc.

## SAMPLES EXAMINED AT OTTAWA.

1917.														
6450	Vin quinine ....	1.0556	0.9828	13.02	23.86	20.99	17.15	None.	17.15	0.160	0.600	None.	.....	None.
5640	Vin .....	1.0622	0.9831	15.34	23.37	20.55	17.15	"	17.15	0.200	0.720	"	.....	"
7383	Port Wine. ....	1.0571	1.000	None.	None.	14.80	3.70	7.82	11.52	0.048	0.675	Salicylic acid.	10	Aniline.
7364	Blackberry Wine.	1.0633	1.000	"	"	16.39	1.70	9.31	11.01	0.060	0.900	"	15	"
7366	N. W. Cherry (Wine.)	1.0737	0.9998	0.13	0.23	18.87	1.70	12.76	14.46	0.064	1.050	"	3	"
7366	Black Gin .....	1.0484	0.9997	0.20	0.35	15.22	7.69	4.22	11.91	0.076	0.743	"	20	"
7366	Vin Blanc .....	1.0170	0.9969	16.40	26.99	9.34	5.41	0.88	6.29	0.224	0.630	None.	.....	None.
7610	Vin Canadian ..	1.0220	0.9817	14.65	25.57	10.43	6.59	2.22	8.81	0.276	0.713	Salicylic acid.	7	Aniline.
7611	" .....	1.0413	0.9871	9.76	17.14	14.56	11.86	None.	11.86	0.140	0.680	"	11	None.
7613	" .....	1.0236	0.9808	15.49	27.15	11.08	8.93	"	8.03	0.240	0.632	None.	.....	"
7619	" .....	1.0253	0.9812	15.12	26.49	11.42	8.42	"	8.42	0.163	0.636	"	.....	"
56473	Port Wine .....	1.0569	0.9966	2.13	4.26	17.86	14.56	.....	14.56	0.140	0.760	"	.....	"

TABLE II.—WINES AND LIQUORS.

No. of Sample.	Name of Sample.	Results of Analysis.										Dye.	No. of Sample.	Remarks, and Opinion of the Chief Analyst.	
		Sp. Gr. of Sample.	Sp. Gr. of Distillate.	Alcohol by Volume.	Proof Spirit.	Grammes per 100 cc.					Preservatives.				
						Extract.	Invert Sugar.	Sucrose.	Total Sugars.	Ash.	Acidity as Tartaric				Kind.

## SAMPLES EXAMINED AT OTTAWA—Con.

1917.														
74356	Port Wine....	1.0702	0.9998	0.13	0.23	18.40	14.58	3.19	0.020	0.220	Salicylic acid.	80	Aniline.	74356 Is not wine. Adul. terated.
74357	Grape Wine....	1.0628	1.000	None.	None.	21.52	19.76	None.	0.060	0.255	"	28	"	74357 " "
74358	Port Wine....	1.0619	1.000	"	"	16.05	10.22	2.51	0.064	0.412	"	20	"	74358 " "
74359	Sloe Gin.....	1.1328	0.9981	1.26	2.20	33.99	14.55	17.06	0.348	0.397	"	40	"	74359 Is not gin. Adul. terated.
74360	Grape Wine ..	1.1253	0.9982	1.19	2.09	33.22	24.12	7.29	0.108	0.735	"	26	"	74360 Is not wine. Adul. terated.
77527	" .....	1.0613	0.9987	0.86	1.51	21.12	3.57	14.74	0.072	0.675	"	80	"	77527 " "
77547	" .....	1.0968	0.9978	1.42	2.48	25.67	8.56	15.02	0.156	0.803	Benzoic acid.	52	"	77547 " "
77549	Port Wine .....	1.1137	0.9987	0.86	1.51	29.99	22.75	5.79	0.192	0.805	"	69	"	77549 " "
77551	Black Cherry Wine.	1.1150	0.9985	0.33	0.58	30.13	26.04	2.17	0.036	1.050	Salicylic acid.	24	None.	77551 Is not wine. Adul. terated.
77552	Red Cherry Wine.	1.1110	0.9999	0.07	0.12	28.96	24.02	1.62	0.040	0.810	"	27	"	77552 " "
77555	Black Cherry Wine.	1.1135	0.9986	0.26	0.46	29.60	38.08	None.	0.120	0.673	"	40	Aniline.	77555 " "
77556	Peach Wine....	1.1208	1.000	None.	None.	31.41	23.02	5.93	0.296	0.585	Benzoic acid.	78	None.	77556 " "
72578	Mint Cordial...	1.0644	0.9984	1.06	1.86	17.12	10.22	3.86	0.036	0.363	Salicylic acid.	80	Aniline.	72578 Doubtful.
72579	Pineola (Cordial)	1.0890	0.9988	0.79	1.39	17.96	12.01	5.36	0.024	0.383	"	80	"	72579 " "



72578 Mint Cordial ...	1.0644	0.9084	1.06	1.39	17.12	10.22	3.85	14.07	0.036	0.363	Salicylic acid.	80	Aniline	72578 Doubtful.
72579 Pineola (Cordial)	1.0680	0.9088	0.79	1.39	17.95	12.01	5.36	17.37	0.024	0.363	"	80	"	72579 "

72580 Orange (Cordial)	1.0689	0.9085	0.99	1.74	18.53	11.51	5.50	17.91	0.040	0.188	"	80	"	72580 "
72581 Artificial Black Cherry (Cordial)	1.0943	0.9088	0.79	1.39	24.85	22.81	None.	22.81	0.080	0.825	"	4	"	72581 Sold as Artificial.
72582 Ginger Wine ...	1.1204	1.000	None.	None.	28.01	27.66	"	27.66	0.164	0.428	"	10	"	72582 Is not wine. Adulterated.
72583 Ginger Brandy...	1.1245	0.9992	0.53	0.93	29.10	25.12	3.94	29.06	0.008	0.380	"	20	"	72583 Is not brandy. Adulterated.
72584 Rum...	1.0771	0.9993	0.46	0.81	20.20	17.79	None.	17.79	0.008	0.248	"	20	None.	72584 Is not rum. Adulterated.
72585 Rye Whiskey...	1.0610	0.9999	0.07	0.12	15.81	15.10	0.32	15.42	0.104	0.413	"	20	"	72585 Is not whiskey. Adulterated.
77854 Sloe Gin...	1.0763	0.9904	0.40	0.70	19.97	3.35	16.53	19.88	0.060	0.113	"	80	Aniline	77854 Is not gin. Adulterated.
77855 Port Fruit Wine	1.0620	0.9996	0.26	0.46	13.77	7.50	4.98	12.48	0.056	0.255	"	57	None.	77855 Is not wine. Adulterated.
77856 Black berry Brandy.	1.1063	0.9996	0.26	0.46	4.80	13.02	7.08	20.10	0.120	0.413	None.	.....	Aniline	77856 Is not brandy. Adulterated.
77881 Uniformed Port Wine.	1.0877	0.9996	0.26	0.46	28.43	18.59	7.04	25.63	0.076	0.680	Salicylic acid.	20	"	77881 A low grade wine. Adulterated.
77912 Creme de Menthe (Cordial).	1.1583	0.9984	1.06	1.86	36.15	4.15	31.66	35.81	0.048	0.263	"	8	Aniline	77912 Doubtful.
77913 Creme de Menthe (Cordial).	1.1531	1.000	None.	None.	34.80	3.63	30.44	34.07	0.032	0.075	None.	.....	"	77913 "
77984 Sherry Near Wine.	1.0059	0.9996	0.13	0.23	17.14	16.93	None.	16.93	0.180	0.488	Salicylic acid.	27	None.	77984 "
77985 Irish Blue Gin ...	1.1041	0.9949	3.62	6.34	28.46	18.10	7.08	25.18	0.248	0.673	None.	.....	"	77985 Is not gin. Adulterated.
77993 Anisette (Cordial).	1.1857	0.9972	1.96	3.44	41.20	None.	40.80	40.80	0.016	None.	Salicylic acid.	Trace	"	77993 Doubtful.
77994 Black Currant Wine.	1.0838	1.000	None.	None.	24.41	3.77	18.14	21.91	0.080	0.525	Benzene acid.	80	"	77994 Is not wine. Adulterated.
77995 Tipperary Punch (Cordial).	1.0890	1.000	"	"	15.29	0.80	13.30	14.10	0.032	0.420	Salicylic acid.	3	"	77995 Doubtful.
77996 Ginger Wine...	1.0791	0.9985	0.33	0.58	20.55	1.23	16.88	18.11	0.036	0.200	None.	.....	Aniline.	77996 Is not wine. Adulterated.
77997 Grape Wine...	1.0886	0.9999	0.07	0.12	23.04	2.50	19.82	22.32	0.032	0.675	"	.....	"	77997 "
77998 Ginger Wine...	1.1290	1.000	None.	None.	29.70	11.41	17.36	29.77	0.076	0.360	Salicylic acid.	40	None.	77998 "
77999 Grape Wine...	1.0819	0.9998	0.13	0.23	21.86	10.77	10.10	20.87	0.060	0.450	"	40	Aniline	77999 "
78000 Creme de Menthe (Cordial).	1.1085	0.9999	0.07	0.12	28.33	8.66	18.87	27.53	0.072	0.075	"	4	"	78000 Doubtful.
65267 Port Wine...	1.0619	1.000	None.	None.	16.05	11.10	4.03	15.13	0.060	0.220	None.	.....	"	65267 Is not wine. Adulterated.
65268 Port Wine...	1.0431	1.000	"	"	11.15	2.71	7.56	10.27	0.008	0.322	"	.....	"	65268 "

TABLE II.—WINES AND LIQUORS.

No. of Sample.	Nature of Sample.	Results of Analysis.											Dye.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Sp. Gr. of Sample at 15°60	Sp. Gr. of Distillate.	Sp. Gr. of Residue.	Alcohol.		Proof Spirit.	Extract or Total Solids.	Grammes per 100 cc.				Phosphates Milli-grammes per 100 c.c.	Preservatives.			
			By Weight.	By Volume.			Reducing Sugars as Dextrose.	Acidity as Tartaric	Ash.						

## SAMPLES EXAMINED AT WINNIPEG.

1917.					p.c.	p.c.	p.c.							
75304	Port Wine, .....	1.0654	0.9981	1.0712	1.00	1.26	2.20	18.48	0.45	17.3	0.088	12.0	None	Aniline.
73920	Native Wine ...	1.0667	1.000	1.0675	None	None.	None	17.51	0.75	11.4	0.220	26.0	"	None.
70521	Calgary Chinook Beer.	1.0180	0.9978	1.0198	1.19	1.49	2.61	5.25			0.188	34.8	Salicylic acid.	Light beer. Genuine.
73622	New-Life Beer...	1.0180	0.9986	1.0194	0.74	0.93	1.62	5.14			0.204	28.0	None.	"
73623	Laugerine Beer.	1.0161	0.9944	1.0178	0.84	1.06	1.86	4.69			0.182	37.2	"	"
73624	Showine Beer...	1.0186	0.9978	1.0198	1.19	1.49	2.61	5.25			0.156	40.0	"	"
73625	New-Life Beer...	1.0126	0.9976	1.0150	1.31	1.65	2.89	3.93			0.096	28.0	"	"
73626	Porter.....	1.0150	0.9984	1.0164	0.84	1.06	1.86	4.90			0.241	49.2	"	"
73628	American Lager	1.0140	0.9990	1.0156	0.53	0.66	1.16	4.69			0.156	26.0	Traces SO <sub>2</sub> .	Is not porter. Adulterated.
73629	Stout .....	1.0161	0.9985	1.0178	0.79	0.99	1.74	4.69			0.146	40.0	None.	Is not lager beer.
52730	Fruit Wine Port.	1.0538	0.9974	1.0561	1.44	1.81	3.16	14.54	0.36	13.9	0.080	11.2	"	Aniline.

TABLE II.—WINES AND LIQUORS.

No. of Sample.	Nature of Sample.	Results of Analysis.										No. of Sample.	Remarks, and Opinion of the Chief Analyst.
		Sp. Gr. at 15-6° C.	Ethyl Alcohol.		Total Acidity C.C. N/10 per 100 cc.	Grammes per 100 cc.				Purified Grammes per 100,000 cc. of Absolute Alcohol.			
			By Sp. Gr. of distil- late p.c. by volume.	By Refrac- tive Index p.c. by Volume.		Total Solids at 10° C.	Reducing Sugars as Invert	Sucrose.	Ash.				
1917.													
68439	Scotch Whiskey	0.9330	39.28	39.96	1.0	0.06	..	..	0.008	0.25	68439	Low in alcohol.	
68440	Rum..	0.9412	46.56	46.84	5.6	0.43	..	..	0.012	0.22	68440	Genuine.	
75832	Gin.....	0.9613	35.04	35.60 = 61.32 p.s.	2.6	0.77	..	..	0.012	5.50	75832	Low in alcohol.	
75833	Brandy.....	0.9422	45.76	46.04	1.8	0.11	..	..	0.006	0.22	75833	Genuine.	
75834	Port Wine..	1.0127	13.65	14.25	93.0	7.86	4.99	..	0.22	..	75834	"	
75835	Rum.....	0.9381	48.32	48.44	6.8	0.40	..	..	0.010	2.50	75835	"	
75836	Sherry Wine.	0.9632	18.36	18.81	64.0	3.69	1.72	..	0.48	..	75836	"	
75837	Claret Wine	0.9662	11.73	12.17	78.5	2.64	0.16	..	0.33	..	75837	"	
75838	Sauterne Wine.	1.0053	13.32	13.99	106.5	5.96	2.60	..	0.25	..	75838	"	
75839	Gin.....	0.9725	34.28	34.48 = 60.29 p.s.	0.2	3.70	0.06	3.41	0.012	Nil	75839	Low in alcohol.	
75840	Rum.....	0.9330	50.88	51.32	5.2	0.46	..	..	0.012	0.20	75840	Genuine.	
75841	Brandy.....	0.9502	41.08	41.28 = 72.30 p.s.	1.4	0.15	..	..	0.004	0.25	75841	Low in alcohol (slightly).	
75932	California Port Wine.	1.0231	19.45	19.60	62.5	11.94	9.50	..	0.33	..	75932	Genuine.	
75933	Rum.....	0.9325	52.44	52.83	8.8	1.12	..	..	0.032	2.40	75933	"	
75934	California Sherry	0.9935	19.50	19.72	45.0	4.28	2.42	..	0.26	..	75934	"	

TABLE II.—WINES AND LIQUORS.

No. of Sample.	Nature of Sample.	Results of Analysis.										No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Sp. Gr. at 15-16° C.	Ethyl Alcohol.		Total Acidity C.C. N/10 per 100 cc.	Total Solids at 70° C.	Grammes per 100 cc.				Natural grammes per 100,000 cc. of Absolute Alcohol		
			By Sp. Gr. of distil- late p.c. by volume.	By Refrac- tive Index p.c. by Volume.			Reducing Sugars as Invert	Sugar.	Sucrose.	Ash.			
75935	Blackberry Brandy	1.0724	17.76	17.88	68.5	24.51	21.50	0.76	0.076	Nil	75935	Is not brandy. Adulterated.	
75936	Gin	0.9756	28.44	27.88 —48.70 p.s.	0.7	2.44	0.09	2.20	0.016	Nil	75936	Low in alcohol. Adulterated.	
75937	St. Julien	0.9933	12.21	12.50	80.5	2.23	0.47		0.23		75937	Genuine.	
75938	Port Wine.	1.0183	20.77	21.00	59.0	11.51	9.27		0.20		75938	"	
75939	Brandy	0.9440	44.88	44.48	7.9	0.16			0.046	3.30	75939	"	
75940	Gin	0.9615	33.24	32.28 =58.14 p.s.	2.4	0.04			0.002	0.30	75940	Low in alcohol. Adulterated.	
75941	Brandy	0.9554	37.60	36.68 =64.10 p.s.	5.2	0.09			6.006	4.00	75941	"	

SAMPLES EXAMINED AT VANCOUVER—Concluded.